HONOGULU STAR RULLETIN SATURDAY SEPTEMBER 9 1916

Many Points To Watch In Buying Used Cars

Motor, Driving Mechanism, Bearings, Springs, Axles, Should All Be Examined Closely By Purchaser Before Car Is Accepted-Testing Compression is Important Point-Listen to Knocks When Machine is Running-Road Test Essential Ford Motor Company Increases

springs and bent or twisted axles.

pulling power of the motor. One,

you can get for as little as you can

Know Your Car

Road Test Essential

Having made up your mind to pur- now to the running gear of the car, ase a motor car and deciding that which should be thoroughly examined. e cost of a new one is too great an Take hold of each wheel in turn and llay, you naturally turn to the used shake, noting the play or looseness, market, which is usually well which will denote the condition of the with machines of various bearings in the hubs. Should there be factures and conditions of re- quite a perceptible freedom of moveccording to the Motor Print. ment, then the bearings should be The first thing to do is to follow dili- tightened or, if necessary, replaced. gently the "automobiles for sale" ad. Note that the steering rods on the vertisements. By doing this for a week or so you will be able to gain wheels are in alignment or parallel, aome knowledge of current prices of The brakes on the rear wheels should models, which will help you to tell be closely examined as to their effiwhether any real bargains are to be had and where to find them,

After you have examined various nachines and feel that you are satisled with the model and general outward appearance of the desired car been well looked into, the next step ou should next give it a thorough me- in your examination is a demonstrachanical inspection. If you are a tion on the road, for it is there that novice it would be well to take with the car will prove its ability. you a friend who has had some exten- The best way to test the power of ive experience with cars and upon the motor is to try climbing a fairly whose advice you feel that you can steep hill, and the car's ability to go

Test Compression First so to the front of the ma- however, must not expect too much of and take hold of the crank a machine, for numerous conditions, handle and proceed to turn over the too numerous to set forth here, govern iotor. This is known as "testing the the efficiency of it while traveling pression" and is quite an import- over the road. These can best be nt feature, as by this test you can reckoned with according to the buye the internal condition of the er's sense as they present themne. By catching the handle in the selves. ting position and pulling apward if all your examinations of your ce which is the compression factory and the road test has shown one of the cylinders. At the end of you what the car can do, the only e stroke the motor will have a tend- thing left before paying your money nev to turn over a half turn by itselt it to see that you get all the customit reaches the commencement ary accessories which go with a ma-

n of that cylinder.

the compression has been d passed upon favorably lift get a proof of the ownership of the even more than to new ones:—Know that covers the motor and car from the dealer, confirm the Your Car. ry is subject to wear and tearquently to the production of

any knock make itself preserious which needs attenhile it may not be anything a dull or heavy metallic heard at every revolution of Nearly every other knock or might be heard can be by slight adjustments to

any cracks in the cylinder ne runs and ask to have the even staccato of explosions as for the miss may be caused a broken or dirty spark plug, tight If any of these things is at re it remedied before finally

Another important point to be inrear wheels and turning it ckward and forward slowly. If there any wear in the universals or the parent through a clacking noise as ou rall the wheel. Likewise the lay or wear in the differential can e easily felt as you hold the wheel firmly and twist it. If the universals are much worn they should be repaired, for their poor condition will tend toward ruining the clutch, transmis-

sion and differential. Providing that your examination of the motor was proved nothing to be worn beyond reasonable repair, go

DETROIT PLAN

Force to Handle Increased Orders for Cars

of output and its distribution mark an and keeps metal from metal. the history of the automobile indus- the bearings to be lubricated. try. The building and distribution of front wheels are tight and that the ing on August 1 of new direct com- cants. clency, and while you are doing this pany branches in 28 of the larger citit would be well to look for broken ies of the United States. When the Detroit factory established a goal of 500,000 cars on August 1, 1915, the These important features having Ford company had completed a production for 1914-15 of 369,000 cars and shared over \$15,000,000 with its retail buyers. Now the year recently closed has again seen the fulfilment of predictions in spite of an increase of 66 and two-thirds per cent in the mark up on the high gear is a mark of the months.

has been increased to more than 33,-600 at the present time, while the pay-12,000 names.

The quantities of raw materials entering into a nalf million production nd over you will meet with a strong prospective purchase have been satis- of Ford cars are beyond the grasp of the average individual. First there is 200,000 tons of vanadium steel heat treated by special Ford processes, 2,000,000 each of wheels and tires, 51,950,250 square feet of rubber cloth mpression stroke of the next chine. Bear in mind, however, that material in the tops, 2,587,500 square is the resistance offered to your another, and if a few things are miss. about methods in their handling and manufacturing operations which have

od condition this pressure or prepared to expend a little more than on the engine of your car, turn over n should seem equal at the actual buying price on the car your money, obtain your bill of sale, up. If no resistance is felt in order to satisfy your particular, and the car is yours for better or e of the cylinders then it is tastes, but the amount you can have worse, richer or poorer—it all deduced the grinding or adjusting your persuasive powers as applied in Now Just a final word. Take your When all these things have been quainted with your new servant, settled and before closing the deal. The old axiom applies to used of The old axiom applies to used cars

distinctive Ford savings production cost and these combined with new methods of distribution have made possible the remarkable reductions in Ford prices announced on

No official announcement has vet been made of the proposed production for the ensuing year.

MIX GRAPHITE WITH GREASE FOR BEARINGS

To overcome the friction caused by myriads of tiny hollow and jagged noints on apparently smooth automobile bearings, a little graphite should be mixed with the grease. Graphite On July 31 the Ford Motor Company permanently fills up the hollows and completed its 1915-16 year with a pro- covers the points, will not squeeze duction of 533,921 cars. This volume out, takes on a smooth, glassy polish achievement without any parallel in right quantity of graphite varies with

The proper compound for transthese half-million cars has brought a missions, differentials and other proportionate growth in every depart- friction surfaces have been carement of the Ford institution, and this fully worked out by the makers of enlargement culminated in the open Dixon's graphite automobile lubri-

N. A. C. C. STANDARD

Definitions of standard truck chassis were recommended for adoption by the N. A. C. C. at the general meeting of the truck members recently held and were approved at the annual meeting of the association the following day. The object of these definiset over the output of the previous 12 tions is to indicate what minimum parts, finish and equipment consti-To build these cars the number of tute the standard chassis for gasoline employes at the parent Ford factory and electric commercial vehicles. The organization also adopted a standard service and repair parts policy. This rolls of the branch factories and is an admirable move, as under its branches have grown to more than terms every purchaser of a car from any member will know when he buys pect in the way of service.

Model

Goodyear Experts Have Discovered Compound to Be Used in Heavy Tires

pany's experimental corps has discov- stiff to prevent distribution of strains breaks in the fabric, and which would ered a new compound of rubber to be and stand the flexing action in side not, without reinforcement, be serviceused in the manufacture of heavy duty walls, Supply Company, Limited,

rubber if made into a tire of any kind and put out upon the road would run id tires sold in America have aver-, cludes about 150 women and 50 men. but very few blocks. The different aged 11,300 miles' service. tire manufacturers have been working popular make of tire by the majority and Goodyear pneumatic tires. of any one kind in use. The day is past where discounts figure in mak- AUTO REPAIR SCHOOL ing a sale. Users today want to be free from trouble and adjustments and renewing tires, and are beginning to consider the first cost second to the automobile repairing will be introquality of the article.

a square tread, thereby starting to President Frank H. Ball. by a high steel flange which is an in- automobiles of various types, tegral part of the tire. These tires are his car just exactly what he may ex- guaranteed to give 7000 miles of ac- men, will be eligible to take the build sufficient eight-room houses to tual service. Fifty-two thousand sol- course.

WAY TO MORE MILEAGE FOR OWNERS AND THOUGHTFUL DRIVERS OF CARS CHAPTER 13

ing-it is necessary that the struc- walls tures also be designed along the right

talance is an essential thing; the tire of flexible material, and well conmust be strong enough to render good structed, reliners are a good thing in The Goodyear Tire & Rubber Com- service but not too thick, heavy or old tires, having separation and

sales manager of the Auto Service & to tires will cause additional heat and inner tubes from being pinched by the interfere with the radiation. Tread at fabric and often make it possible to Very few people consider that pure tachments or covers creep, chafe, heat secure a great deal of mileage,

The Goodyear solid cushion tire is course, a course in practical elecon compounds for years and with the designed for use on light trucks which tricity will be taught. Concrete conuse of certain chemicals and formulas must maintain a speed of over 15 struction and forging also will be each have their own mixture. Like miles per hour. It is more resiliant part of the 1916-17 curriculum. many inventions some are better than than the solid. Eighty per cent of all others. By looking at the cars in the fire apparatus manufactured in Amerstreets you will find which is the most ica is equipped with Goodyear cushion

FOR YOUNG WOMEN

SACRAMENTO, Cal.-A course in duced this year in the Santa Barbara The S. J. demountable truck tire has State Normal school, according to

wear evenly from the time the tire is The school is equipped with sevapplied. It is protected on the sides eral stalls and pits and ten experts of

The young women, as well as the

An engineer does not depend upon and stiffen the tread to such an exthe strength of materials alone, to tent that fabric breaks are caused by make a safe railroad bridge or build- a localized hinging action in side

It is not advisable to use reliners in new tires because they tend to flat-A successful tire must be properly ten the tires similar to under-inflation designed, i. e., the shape suitable for and, in many ways; interfere with the the size of the section and a correct design and intended action. If made

able. Under such circumstances, resolid truck tires, said H. A. Parker, Extra thickness and weights added liners strengthen the tires, protect

As an auxiliary to the automobile

F. W. D.'S TO MEXICO

The Four-Wheel Drive Company. Clintonville, Wis., announces that it has received a further order from the government for 28 three-ton transport trucks and five additional 600-gallon tank trucks for use on the Mexican

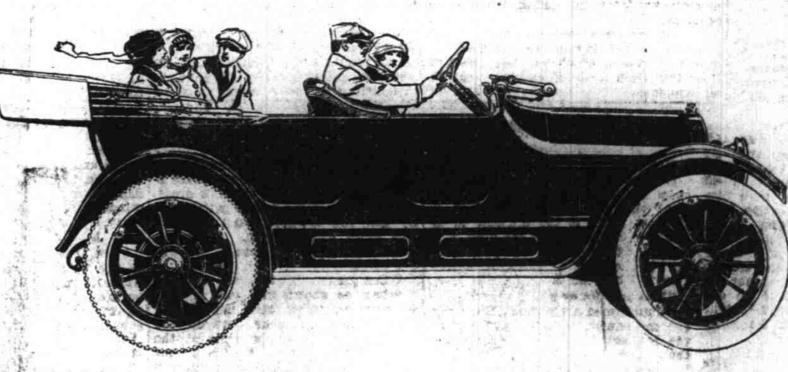
FORD LUMBER BILL

It is stated that the Ford Motor Company uses 2,000,000 feet of lumber per month. In the course of a year this amounts to enough timber to The school enrolment in make a city with 6000 inhabitants.

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\$935 Cash \$975 Time



No Other Car at This Price Has So Much Power

As a rule motor car prices vary according to power.

But this big, family Overland is the one outstanding exception to the rule.

No car has yet appeared to dispute its supremacy.

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No other car at anywhere near the Overland price is anywhere near so powerful.

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Think of the pleasure and benefit you will derive from such a car. Think what it will mean to you in pleasure and comfort.

You will be pleasantly surprised at the unusual value. We will gladly arrange for you to ride in the car and test its superb qualities. Call or write for catalogue.

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